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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/038,459	01/07/2002	Yi-Chi Shih		8376

7590 02/23/2004  
Dr. Yi-Chi Shih  
2220 Thorley Place  
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EXAMINER

LEE, BENNY T

ART UNIT PAPER NUMBER

2817

DATE MAILED: 02/23/2004

Please find below and/or attached an Office communication concerning this application or proceeding.



# Patent and Trademark Office

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FILING DATE:

ART UNIT

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☐ This application has been examined ☒ Responsive to communication filed on 8 Dec 2003 ☐ This action is made final.

A shortened statutory period for response to this action is set to expire Two (2) month(s), Days from the date of this letter. Failure to respond within the period for response will cause the application to become abandoned. 35 U.S.C. 133

## Part I THE FOLLOWING ATTACHMENT(S) ARE PART OF THIS ACTION:

- |                                                                                     |                                                                                 |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| 1. <input type="checkbox"/> Notice of References Cited by Examiner, PTO-892.        | 2. <input type="checkbox"/> Notice re Patent Drawing, PTO-948.                  |
| 3. <input type="checkbox"/> Notice of Art Cited by Applicant, PTO-1449.             | 4. <input type="checkbox"/> Notice of Informal Patent Application, Form PTO-152 |
| 5. <input type="checkbox"/> Information on How to Effect Drawing Changes, PTO-1474. | 6. <input checked="" type="checkbox"/> <u>Suggested Drawing Correction</u>      |

## Part II SUMMARY OF ACTION

1. ☒ Claims 1-6, 8-10 are pending in the application.  
Of the above, claims \_\_\_\_\_ are withdrawn from consideration.
2. ☐ Claims \_\_\_\_\_ have been cancelled.
3. ☒ Claims 1-6, 8-10 are allowed.
4. ☐ Claims \_\_\_\_\_ are rejected.
5. ☐ Claims \_\_\_\_\_ are objected to.
6. ☐ Claims \_\_\_\_\_ are subject to restriction or election requirement.
7. ☐ This application has been filed with informal drawings under 37 C.F.R. 1.85 which are acceptable for examination purposes.
8. ☐ Formal drawings are required in response to this Office action.
9. ☐ The corrected or substitute drawings have been received on \_\_\_\_\_ Under 37 C.F.R. 1.84 these drawings are ☐ acceptable; ☐ not acceptable (see explanation or Notice re Patent Drawing, PTO-948).
10. ☒ The proposed additional or substitute sheet(s) of drawings, filed on 8 Dec 2003, has (have) been ☒ approved by the examiner; ☐ disapproved by the examiner (see explanation).
11. ☐ The proposed drawing correction, filed \_\_\_\_\_, has been ☐ approved; ☐ disapproved (see explanation).
12. ☐ Acknowledgement is made of the claim for priority under U.S.C. 119. The certified copy has ☐ been received ☐ not been received ☐ been filed in parent application, serial no. \_\_\_\_\_; filed on \_\_\_\_\_
13. ☒ Since this application appears to be in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11; 453 O.G. 213.
14. ☐ Other

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This application is in condition for allowance except for the following formal matters:

**In the Specification:**

The disclosure is objected to because of the following informalities: In the replacement paragraph to page 8, paragraph 2, lines 12, 14 therein, note that --in Fig. 1(b)-- should follow “(2)” & “(32, 33), respectively for consistency of description. In the replacement paragraph bridging pages 10 & 11, lines 26, 27 therein, should “56” correctly be --58-- such as to provide consistency of description with Fig. 3(d)? ; line 29 therein, should “Fig. 3(c)” correctly be --Fig. 3(b)-- which depicts “adapter (51’)? In the replacement paragraph bridging pages 15 & 16, line 19 therein, should “pattern (69)” correctly be --pattern (40a)-- such as to be consistent with the amended figures? ; line 20 therein, note that --(e.g. see Fig. 4(c))-- should follow “probes” for consistency of description. Appropriate correction is required.

**In the Drawings:**

The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the universal launching adapter (e.g. 51, 51') being mounted to the major wall of the housing such that the L-shape probe is at a central region (e.g. cl 1) must be shown or the feature(s) canceled from the claim(s). No new matter should be entered. It should be noted that what the examiner is seeking from this drawing objection is the placement of the adapter of figs. 3(b) or 3(d) and the waveguide of fig. 3(c) arranged relative to the L-shape probe in Fig. 3(a). Such a depiction may be made by phantom views of the adapter and waveguide or exploded views of the adapter and waveguide in fig. 3(a). See the attached drawing correction suggested by the examiner.

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The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the platform for mounting the MMIC & control components in a reference plane parallel to the broad wall as recited in claim 1 must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

**In the Claims:**

The following claims have been found objectionable for reasons set forth below:

In claim 1, second paragraph, note that a --,-- should be inserted after “wall” for a proper characterization.

In claim 4, line 3, note that --a—should be inserted prior to “diameter”.

In claim 5, line 2, should “second axis” properly be first axis—for a proper characterization?

In claims 5, 6, lines 4-7 of each claim, note that the orientation of the long inner walls of the universal conductive housing as recited herein appears redundant since the same limitation appears earlier recited in claim 1. Accordingly, such redundant recitations should be deleted from these claims.

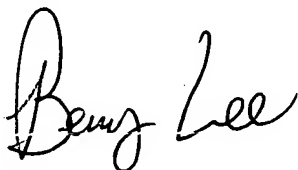
Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

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Claims 1-6, 8-10 are allowable over the prior art of record.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Benny Lee whose telephone number is (571) 272 1764.

A handwritten signature in black ink, reading "Benny Lee". The signature is written in a cursive, flowing style.

**BENNY T. LEE**  
**PRIMARY EXAMINER**  
**ART UNIT 2817**

B. Lee

February 18, 2004